PACIFIC
ENVIRONMENTAL
GROUP, INC.

AN ITT COMPANY

October 7, 1998
Project 340-414.9C

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

Re: **Quarterly Monitoring Report - Third Quarter 1998**
Former Texaco Service Station/Current Parking Lot
500 Grand Avenue at Euclid Avenue
Oakland, California

Dear Ms. Hugo:

On behalf of Equiva Services LLC (Equiva), this letter transmits the results of third quarter 1998 groundwater monitoring and sampling conducted at the site referenced above. Equiva is managing the subject site on behalf of Texaco, Inc.

If you have any questions or comments regarding this site, please contact me at your convenience at (408) 441-7500.

Sincerely,

Pacific Environmental Group, Inc.

Keith Winemiller, P.E.
Project Engineer

Enclosure

cc: Ms. Karen Petryna, Equiva Services LLC, P.O. Box 8080, Martinez, CA 94553
Mr. Richard Hiett, California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612

2025 Gateway Place, Suite 440 • San Jose, California 95110-1006 (408) 441-7500 FAX (408) 441-7539

BLAINE
TECH SERVICES inc

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

September 24, 1998

Groundwater Monitoring and Sampling
Third Quarter, 1998
at the
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

This letter presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on August 4, 1998, at the site referenced above (see Plate 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be southeast (see Plate 2, Groundwater Gradient Map). TPHg and benzene concentrations are shown on Plate 3. Tables 1 and 2 list historical groundwater monitoring data and analytical results, respectively.

The certified analytical report, chain-of-custody, field data sheets, and bill of lading are in the Appendix. Equilon Enterprises LLC's Standard Operating Procedures may be found in the first quarter, 1995 monitoring report.

Deidre Kerwin
Operations Manager
Blaine Tech Services, Inc.

DK:ck

SOURCE:
1993 THE THOMAS GUIDE
ALAMEDA COUNTY, PAGE 9 (D4)

N

0 1/4 1/2 3/4 1
MILE
1" = 2200'

TEXACO
REFINING AND MARKETING, INC.
TEXACO ENVIRONMENTAL SERVICES

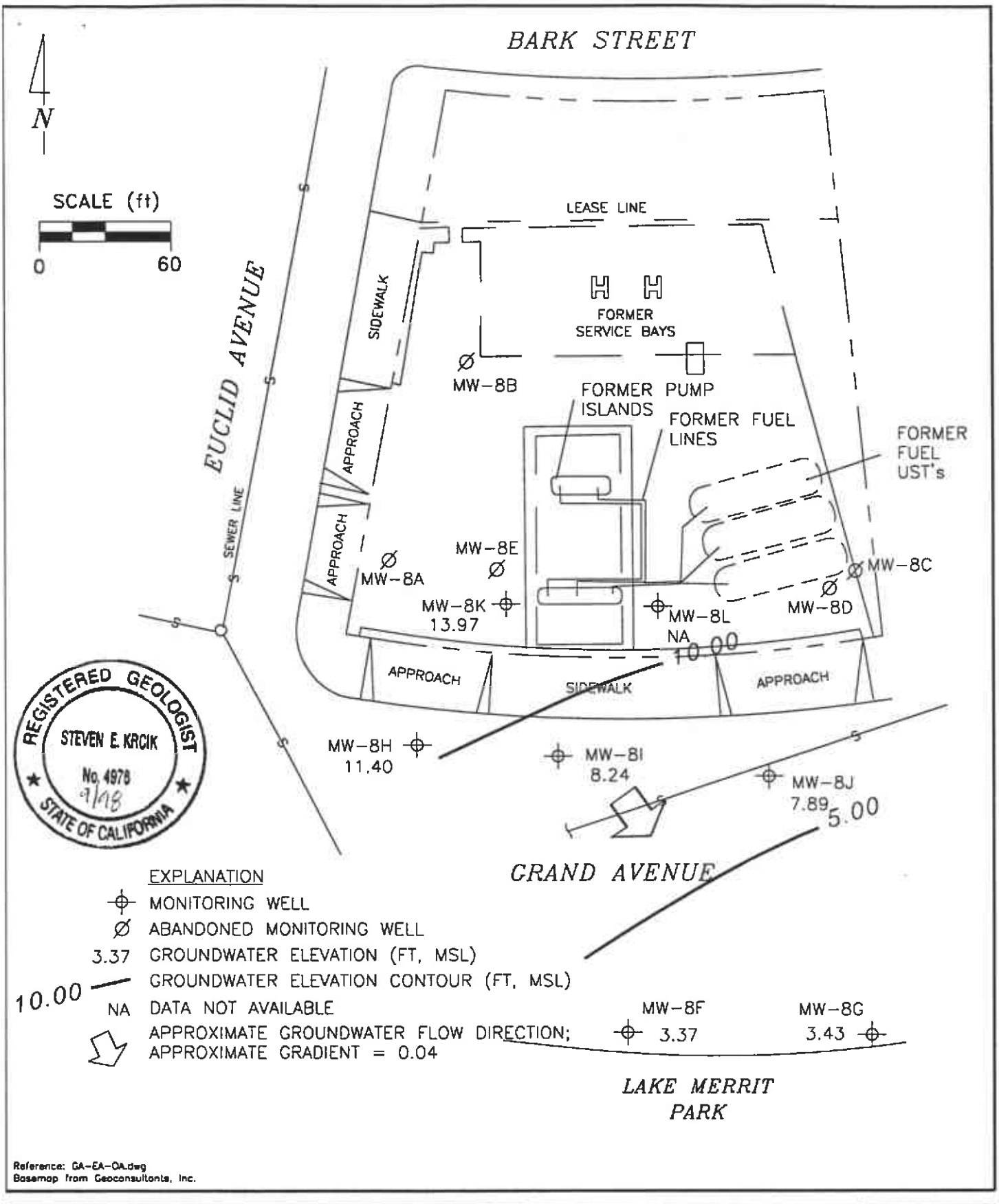
PLATE 1

SITE VICINITY MAP

FORMER TEXACO SERVICE STATION

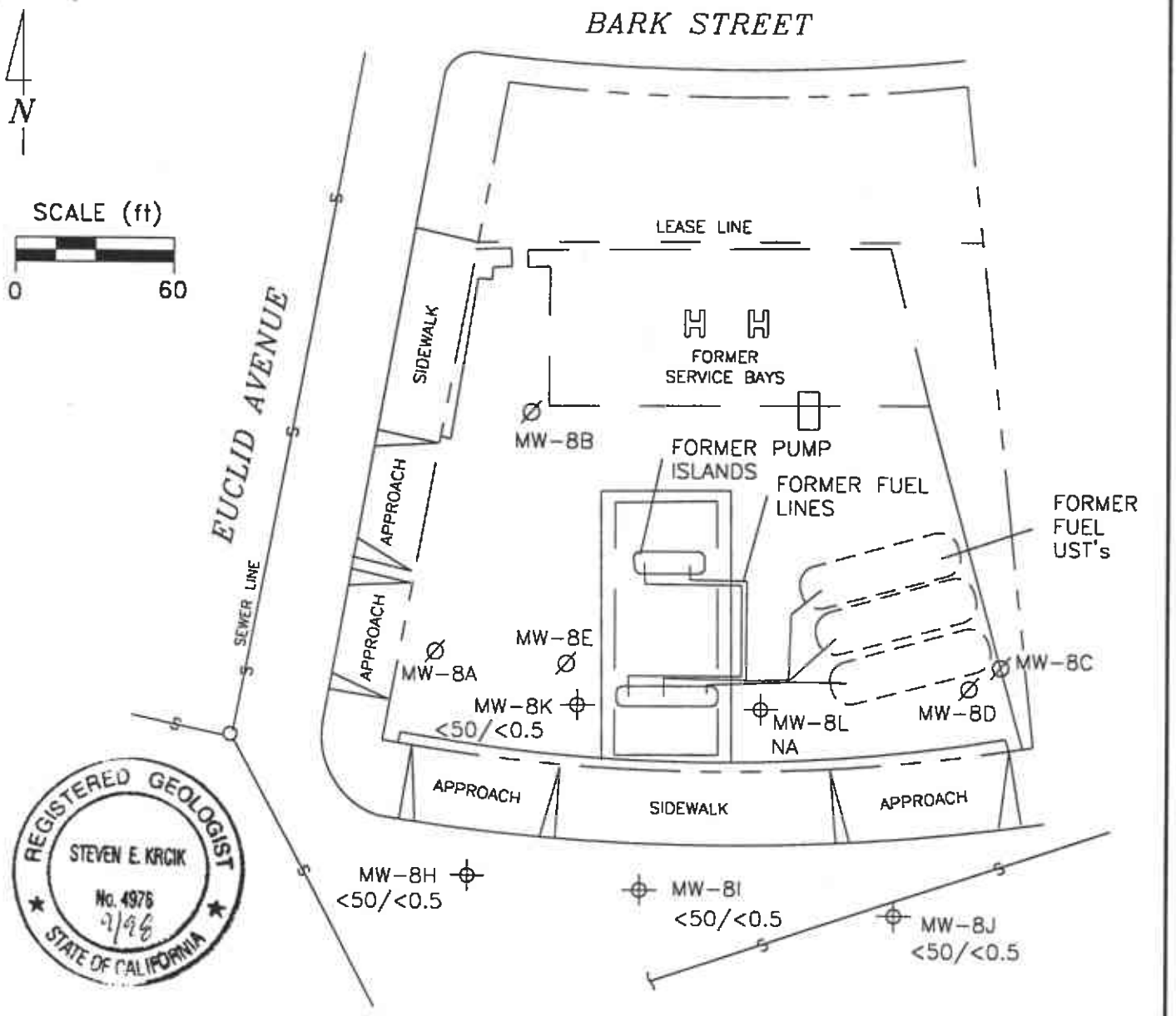
500 GRAND AVE. / EUCLID AVE.

OAKLAND, CALIFORNIA



Reference: GA-EA-OA.dwg
Basemap from Geoconsultants, Inc.

PREPARED BY RRM engineering contracting firm	**Former Texaco Service Station** 500 Grand Ave./Euclid Ave. Oakland, California **GROUNDWATER ELEVATION CONTOUR MAP, AUGUST 4, 1998**	FIGURE: 2 PROJECT: DAC04



EXPLANATION

- ⌖ MONITORING WELL
- Ø ABANDONED MONITORING WELL
- <50/<0.5 TPHG/BENZENE CONCENTRATION IN GROUNDWATER, IN PPB
- NA DATA NOT AVAILABLE

Reference: CA-EA-QA.dwg
Basemap from Geoconsultants, Inc.

PREPARED BY RRM engineering contracting firm	**Former Texaco Service Station** 500 Grand Ave./Euclid Ave. Oakland, California **TPHG/BENZENE CONCENTRATION MAP, AUGUST 4, 1998**	FIGURE: 3 PROJECT: DAC04

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8A	Well Properly Abandoned				
MW-8B	Well Properly Abandoned				
MW-8C	Well Properly Abandoned				
MW-8D	Well Properly Abandoned				
MW-8E	Well Properly Abandoned				
MW-8F	03/29/91	97.94			
	01/23/92			10.24	87.70
	02/28/92			9.93	88.01
	03/26/92			8.78	89.16
	04/30/92			9.36	88.58
	09/28/92			11.83	86.11
	11/19/92			11.22	86.72
	02/12/93			9.66	88.28
	05/06/93			8.83	89.11
	08/16/93	14.04	*	10.16	3.88
	10/12/93			10.60	3.44
	02/03/94			9.29	4.75
	05/31/94			9.34	4.70
	08/25/94			10.14	3.90
	11/02/94			10.42	3.62
	01/31/95			7.47	6.57
	05/18/95			8.00	6.04
	08/29/95			8.08	5.96
	11/02/95			8.70	5.34
	02/05/96			7.16	6.88
	04/30/96			7.25	6.79
	08/28/96			8.72	5.32
	12/05/96			8.16	5.88
	02/21/97			5.53	8.51
	05/02/97			7.85	6.19
	07/30/97			8.87	5.17
	11/05/97			9.16	4.88
	01/21/98			8.56	5.48
	06/03/98			8.30	5.74
	08/04/98			10.67	3.37

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8G	04/23/91	97.24			
	01/23/92			11.30	85.94
	02/28/92			10.83	86.41
	03/26/92			9.20	88.04
	04/30/92			9.00	88.24
	09/28/92			13.32	83.92
	11/19/92			Well Inaccessible	
	02/12/93			Well Inaccessible	
	05/06/93			11.18	86.06
	08/16/93	13.32	*	9.51	3.81
	10/12/93			10.93	2.39
	02/03/94			9.69	3.63
	05/31/94			9.24	4.08
	08/25/94			9.74	3.58
	11/02/94			10.08	3.24
	01/31/95			5.75	7.57
	05/18/95			6.60	6.72
	08/29/95			8.14	5.18
	11/02/95			9.16	4.16
	02/05/96			7.18	6.14
	04/30/96			7.00	6.32
	08/28/96			8.94	4.38
	12/05/96			9.22	4.10
	02/21/97			6.11	7.21
	05/02/97			7.54	5.78
	07/30/97			Well Inaccessible	
	11/05/97			9.65	3.67
	01/21/98			7.57	5.75
	06/03/98			9.37	3.95
	08/04/98			9.89	3.43

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8H	03/29/91	98.90			
	01/23/92			3.74	95.16
	02/28/92			4.44	94.46
	03/26/92			4.21	94.69
	04/30/92			3.46	95.44
	09/28/92			Well Inaccessible	
	11/19/92			3.75	95.15
	02/12/93			4.12	94.78
	05/06/93			3.85	95.05
	08/16/93	15.04	*	3.88	11.16
	10/12/93			3.80	11.24
	02/03/94			3.71	11.33
	05/31/94			3.80	11.24
	08/25/94			3.89	11.15
	11/02/94			3.64	11.40
	01/31/95			3.58	11.46
	05/18/95			3.53	11.51
	08/29/95			3.55	11.49
	11/02/95			3.49	11.55
	02/05/96			3.54	11.50
	04/30/96			3.50	11.54
	08/28/96			3.62	11.42
	12/05/96			3.38	11.66
	02/21/97			3.77	11.27
	05/02/97			3.64	11.40
	07/30/97			3.65	11.39
	11/05/97			3.61	11.43
	01/21/98			3.57	11.47
	06/03/98			3.50	11.54
	08/04/98			3.64	11.40

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8I	03/29/91	98.27			
	01/23/92			6.33	91.94
	02/28/92			6.55	91.72
	03/26/92			6.45	91.82
	04/30/92			6.48	91.79
	09/28/92			Well Inaccessible	
	11/19/92			6.37	91.90
	02/12/93			6.44	91.83
	05/06/93			6.36	91.91
	08/16/93	14.40	*	6.35	8.05
	10/12/93			5.99	8.41
	02/03/94			5.84	8.56
	05/31/94			6.25	8.15
	08/25/94			6.31	8.09
	11/02/94			6.10	8.30
	01/31/95			5.83	8.57
	05/18/95			6.09	8.31
	08/29/95			6.09	8.31
	11/02/95			6.26	8.14
	02/05/96			5.97	8.43
	04/30/96			6.04	8.36
	08/28/96			6.20	8.20
	12/05/96			6.01	8.39
	02/21/97			6.15	8.25
	05/02/97			6.20	8.20
	07/30/97			6.12	8.28
	11/05/97			6.26	8.14
	01/21/98			6.00	8.40
	06/03/98			6.74	7.66
	08/04/98			6.16	8.24

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8J	03/29/91	97.69			
	01/23/92			6.31	91.38
	02/28/92			6.28	91.41
	03/26/92			6.20	91.49
	04/30/92			6.48	91.21
	09/28/92			Well Inaccessible	
	11/19/92			6.55	91.14
	02/12/93			7.46	90.23
	05/06/93			6.21	91.48
	08/16/93	13.82	*	6.29	7.53
	10/12/93			5.87	7.95
	02/03/94			5.98	7.84
	05/31/94			6.10	7.72
	08/25/94			6.01	7.81
	11/02/94			5.90	7.92
	01/31/95			5.07	8.75
	05/18/95			5.33	8.49
	08/29/95			3.50	10.32
	11/02/95			5.94	7.88
	02/05/96			5.34	8.48
	04/30/96			5.96	7.86
	08/28/96			6.38	7.44
	12/05/96			5.94	7.88
	02/21/97			5.60	8.22
	05/02/97			6.22	7.60
	07/30/97			6.28	7.54
	11/05/97			6.03	7.79
	01/21/98			5.71	8.11
	06/03/98			5.45	8.37
	08/04/98			5.93	7.89

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8K	08/16/93	15.18	*	2.08	13.10
	10/12/93			1.95	13.23
	02/03/94			1.48	13.70
	05/31/94			1.59	13.59
	08/25/94			2.00	13.18
	11/02/94			2.10	13.08
	01/31/95			1.35	13.83
	05/18/95			1.36	13.82
	08/29/95			1.55	13.63
	11/02/95			1.88	13.30
	02/05/96			1.46	13.72
	04/30/96			1.43	13.75
	08/28/96			1.75	13.43
	12/05/96			1.42	13.76
	02/21/97			1.49	13.69
	05/02/97			1.60	13.58
	07/30/97			1.66	13.52
	11/05/97			1.62	13.56
	01/21/98			1.29	13.89
	06/03/98			1.17	14.01
	08/04/98			1.21	13.97
MW-8L	08/16/93	14.44	*	2.47	11.97
	10/12/93			2.36	12.08
	02/03/94			2.82	11.62
	05/31/94			2.66	11.78
	08/25/94			2.34	12.10
	11/02/94			Well Obstructed	
	01/31/95			0.08	14.36
	05/18/95			0.42	14.02
	08/29/95			Well Inaccessible	
	11/02/95			Well Inaccessible	
	02/05/96			Well Inaccessible	
	04/30/96			Well Inaccessible	
	08/28/96			0.75	13.69
	12/05/96			Well Inaccessible	
	02/21/97			Well Inaccessible	
	05/02/97			0.60	13.84
	07/30/97			Well Inaccessible	
	11/05/97			0.67	13.77
	01/21/98			No Longer Monitored	

* = New well elevation survey performed on August 16, 1993 based on mean sea level (MSL). Prior data based on arbitrary site data.

TOC = Top of Casing

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8A	Well properly abandoned								
MW-8B	Well properly abandoned								
MW-8C	Well properly abandoned								
MW-8D	Well properly abandoned								
MW-8E	Well properly abandoned								
MW-8F	01/23/92	<50	4.0	1.3	<0.5	1.9	NA	1.3	NA
	04/30/92	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<500
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/19/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	02/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	NA
	05/06/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.1	<50
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.53
	08/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	1.4
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	0.52	<5
	01/31/95	<50	<0.5	<0.5	<0.5	<0.5	NA	0.29	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	0.054	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.083	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.051	<5
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.89
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	0.062	<.005
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	12/05/96	210	17	17	11	46	<30	0.11	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.085	<5
	05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.81
	07/30/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.093	<0.5
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.14	<0.5
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	NA+
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	2.9	0.73	<5.0
	08/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.21	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number		Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8G	**	01/24/92	<50	<0.5	<0.5	<0.5	<0.5	NA	0.98	NA
		04/30/92	<50	1.7	<0.5	<0.5	<0.5	NA	<0.05	<500
		09/28/92	Well Dry							
		11/19/92	Well Inaccessible							
		02/12/93	Well Inaccessible							
		04/29/93	<50	<0.5	<0.5	<0.5	<0.5	NA	0.06	<250
		08/16/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
		10/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
		02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
		05/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<0.2
		08/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.86
		11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	0.53	<5
		01/31/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
		05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
		08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.12	<5
		11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.14	<5
		02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.51
		04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<.005
		08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
		12/05/96	190	16	16	9.0	39	<30	0.057	<5
		02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.054	<5
		05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
		07/30/97	Well Inaccessible							
		11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
		11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
		01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	NA+
		06/03/98	<50	<0.5	<0.5	<0.5	<0.5	4.0	0.57	<5.0
		08/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.20	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8H	01/23/92	110	7.2	1.2	4.7	3.2	NA	<0.06	NA
	04/30/92	190	11	1.5	5.6	3.6	NA	0.09	<500
	09/28/92	Well Inaccessible							
	11/19/92	130	6.8	<0.5	1.1	1.5	NA	NA	NA
	02/12/93	73	5.9	<0.5	0.8	<0.5	NA	NA	NA
	05/06/93	57	1.7	<0.5	<0.5	<0.5	NA	<0.1	<50
	08/16/93	<50	0.5	<0.5	0.5	1.4	NA	<0.05	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	0.79	<0.5	<0.5	<0.5	NA	<0.05	1.6
	08/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	4.0
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	0.76	<5
	01/31/95	<50	<0.5	<0.5	<0.5	<0.5	NA	0.19	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	0.37	6.6
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	1.0	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	<0.05	5.8
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	0.19	2.3
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	1.80	0.0087
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	7.7
	12/05/96	100	6.2	7.3	5.0	22	<30	0.35	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.90	<13
	05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	0.45	<5
	07/30/97	<50	<0.5	0.62	<0.5	<0.5	<30	0.18	13
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.28	4.1
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	4.7
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.44	11
	08/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.30	9.6

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8I	01/23/92	820	420	7	27	20	NA	0.21	NA
	04/30/92	2,200	1,800	19	180	25	NA	0.43	<500
	09/28/92	Well Inaccessible							
	11/19/92	720	120	1.1	29	13	NA	NA	NA
	02/12/93	4,000	970	9.2	52	36	NA	NA	NA
	05/06/93	1,400	370	2.4	40	8.4	NA	<0.01	<50
	08/16/93	<50	3.1	<0.5	6	<0.5	NA	<0.05	<50
	10/12/93	<50	1.4	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	1,000	270	3.2	51	14	NA	<0.05	<50
	05/31/94	1,400	330	4.6	52	16	NA	<0.05	0.33
	08/25/94	540	14	0.58	30	4.3	NA	<0.05	0.73
	11/02/94	310	5.7	0.74	20	<0.5	NA	0.37	<5
	01/31/95	840	290	4.5	45	1.6	NA	0.91	<5
	05/18/95	1,700	390	7.8	80	10	NA	1.1	<5
	08/29/95	300	81	<0.5	13	0.63	<10	0.56	<5
	11/02/95	81	<0.5	4.1	1.5	<0.5	<10	0.16	<5
	02/05/96	300	75	0.75	8.4	1.2	NA	0.14	<0.5
	04/30/96	350	150	0.77	3.2	1.3	NA	<0.05	<.005
	08/28/96	1100	300	2.9	3.2	2.1	NA	0.38	<5
	12/05/96	340	23	8.7	11	26	<30	0.053	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.33	<5
	05/02/97	110	39	<0.5	0.92	<0.5	NA	<0.05	<5
	07/30/97	<50	4.2	<0.5	<0.5	<0.5	<30	0.17	1.2
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	01/21/98	<50	1.5	<0.5	<0.5	<0.5	<30	<0.05	0.76
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	1.5	0.36	<5.0
	08/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.083	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8J	01/23/92	<50	1	<0.5	<0.5	<0.5	NA	<0.05	NA
	04/30/92	<50	2	<0.5	<0.5	<0.5	NA	<0.05	<500
	09/28/92	Well Inaccessible							
	11/19/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	02/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	05/06/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.01	<50
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<0.2
	08/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	1.0
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	01/31/95	<50	3.7	<0.5	<0.5	<0.5	NA	<0.05	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.25	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.25	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.52	<5
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	0.065	1.0
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<.005
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	12/05/96	160	13	14	8.9	38	<30	<0.05	<5
	02/21/97	<50	<0.5	<05	<0.5	<0.5	<30	<0.05	<5
	05/02/97	<50	<0.5	<05	<0.5	<0.5	NA	<0.05	<5
	07/30/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	0.34
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<5.0
	08/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<0.05	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8K	05/21/93	54	12	<0.5	<0.5	<0.5	NA	<0.05	<50
	08/16/93	<50	<0.5	<0.5	1.0	<0.5	NA	<0.05	<50
	10/24/93	<50	4.2	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	1.0	0.57	<0.5	<0.5	NA	<0.05	<0.2
	08/25/94	<50	0.78	<0.5	<0.5	<0.5	NA	<0.05	0.98
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	01/31/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.16	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	<0.05	<5
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<0.5
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<.005
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	12/05/96	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<5
	05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	07/30/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.30	<0.5
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	0.12
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<5.0
	08/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<0.05	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8L	05/21/93	76	1.1	<0.5	<0.5	6	NA	<0.05	<50
	08/16/93	<50	<0.5	<0.5	0.7	1.1	NA	<0.05	<50
	10/12/93	110	13	<0.5	6	<0.5	NA	<0.05	<50
	02/03/94	590	61	2.4	<0.5	110	NA	<0.05	<50
	05/31/94	410	77	<0.5	20	1.1	NA	<0.05	<0.2
	08/25/94	260	16	<0.5	2.5	<0.5	NA	<0.05	1.1
	11/02/94	Well Inaccessible							
	01/31/95	Well Inaccessible							
	05/18/95	Well Inaccessible							
	08/29/95	Well Inaccessible							
	11/02/95	Well Inaccessible							
	02/05/96	Well Inaccessible							
	04/30/96	Well Inaccessible							
	08/28/96	Well Inaccessible							
	12/05/96	Well Inaccessible							
	02/21/97	Well Inaccessible							
	05/02/97	Well Inaccessible							
	07/30/97	Well Inaccessible							
	11/05/97	Not Sampled							
	01/21/98	No Longer Sampled							

TPHg = Total Petroleum Hydrocarbons as gasoline.
TPHd = Total Petroleum Hydrocarbons as diesel.
MTBE = Methyl-tert-butylether
ppb = parts per billion
ppm = parts per million
NA = Not Analyzed
< = Less than the detection limit for the specified method of analysis.
+ = Results for Oil & Grease analysis for samples MW-8F and MW-8G were not available due to VOC Analytical's bankruptcy.
* = Includes "heavy" petroleum hydrocarbons such as waste oil, mineral spirits, jet fuel, or fuel oil.
** = Non-diesel mix >C16. The certified analytical report for sample MW-8G was revised on 10/21/93.

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 500 Grand Ave.

Lab Proj. ID: 9808143

Sampled: 08/04/98
Received: 08/05/98
Analyzed: see below

Reported: 08/21/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9808143-01 Sample Desc : **LIQUID,MW-8K**				
TRPH (EPA 418.1)	mg/L	08/14/98	5.0	N.D.
Lab No: 9808143-02 Sample Desc : **LIQUID,MW-8H**				
TRPH (EPA 418.1)	**mg/L**	**08/14/98**	**5.0**	**9.6**
Lab No: 9808143-03 Sample Desc : **LIQUID,MW-8I**				
TRPH (EPA 418.1)	mg/L	08/14/98	5.0	N.D.
Lab No: 9808143-04 Sample Desc : **LIQUID,MW-8J**				
TRPH (EPA 418.1)	mg/L	08/14/98	5.0	N.D.
Lab No: 9808143-05 Sample Desc : **LIQUID,MW-8F**				
TRPH (EPA 418.1)	mg/L	08/14/98	5.0	N.D.
Lab No: 9808143-06 Sample Desc : **LIQUID,MW-8G**				
TRPH (EPA 418.1)	mg/L	08/14/98	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8K	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/12/98
	Analysis Method: EPA 8015 Mod	Analyzed: 08/14/98
Attention: Deidre Kerwin	Lab Number: 9808143-01	Reported: 08/21/98

QC Batch Number: GC0812980HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8K	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/17/98
Attention: Deidre Kerwin	Lab Number: 9808143-01	Reported: 08/21/98

QC Batch Number: GC081798BTEX05A
Instrument ID: GCHP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	79

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271

Peggy Penner
Project Manager

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8H	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/12/98
	Analysis Method: EPA 8015 Mod	Analyzed: 08/14/98
Attention: Deidre Kerwin	Lab Number: 9808143-02	Reported: 08/21/98

QC Batch Number: GC0812980HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	300
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	101

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8H	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/17/98
Attention: Deidre Kerwin	Lab Number: 9808143-02	Reported: 08/21/98

QC Batch Number: GC081798BTEX05A
Instrument ID: GCHP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/l	Sample Results ug/l
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	73

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271

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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8I	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/12/98
	Analysis Method: EPA 8015 Mod	Analyzed: 08/14/98
Attention: Deidre Kerwin	Lab Number: 9808143-03	Reported: 08/21/98

QC Batch Number: GC0812980HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	83
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	86

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8I	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/17/98
Attention: Deidre Kerwin	Lab Number: 9808143-03	Reported: 08/21/98

QC Batch Number: GC081798BTEX05A
Instrument ID: GCHP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	76

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271

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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8J	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/12/98
	Analysis Method: EPA 8015 Mod	Analyzed: 08/14/98
Attention: Deidre Kerwin	Lab Number: 9808143-04	Reported: 08/21/98

QC Batch Number: GC0812980HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	79

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8J	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/17/98
Attention: Deidre Kerwin	Lab Number: 9808143-04	Reported: 08/21/98

QC Batch Number: GC081798BTEX05A
Instrument ID: GCHP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	76

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271

Peggy Penner
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8F	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/12/98
	Analysis Method: EPA 8015 Mod	Analyzed: 08/14/98
Attention: Deidre Kerwin	Lab Number: 9808143-05	Reported: 08/21/98

QC Batch Number: GC0812980HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**210**
Chromatogram Pattern:		
Unidentified HC		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	82

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8F	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/17/98
Attention: Deidre Kerwin	Lab Number: 9808143-05	Reported: 08/21/98

QC Batch Number: GC081798BTEX05A
Instrument ID: GCHP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	75

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8G	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/12/98
	Analysis Method: EPA 8015 Mod	Analyzed: 08/14/98
Attention: Deidre Kerwin	Lab Number: 9808143-06	Reported: 08/21/98

QC Batch Number: GC0812980HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	200
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: MW-8G	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/17/98
Attention: Deidre Kerwin	Lab Number: 9808143-06	Reported: 08/21/98

QC Batch Number: GC081798BTEX05A
Instrument ID: GCHP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	75

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: EB	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/12/98
	Analysis Method: EPA 8015 Mod	Analyzed: 08/14/98
Attention: Deidre Kerwin	Lab Number: 9808143-07	Reported: 08/21/98

QC Batch Number: GC0812980HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	86

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Sampled: 08/04/98
1680 Rogers Avenue	Sample Descript: EB	Received: 08/05/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/17/98
Attention: Deidre Kerwin	Lab Number: 9808143-07	Reported: 08/21/98

QC Batch Number: GC081798BTEX05A
Instrument ID: GCHP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	81

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Texaco 500 Grand

QC Sample Group: 9808143-01-07

Reported: Aug 21, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 418.1
Analyst:	ANDERSON
ANALYTE	TRPH

QC Batch #: IN081398418100A

Sample No.:	LCS081198
Date Prepared:	8/11/98
Date Analyzed:	8/11/98
Sample Conc., mg/L:	N.D.
Conc. Spiked, mg/L:	3.9
Matrix Spike, mg/L:	3.3
% Recovery:	85
Matrix pike Duplicate, mg/L:	3.5
% Recovery:	90
elative % Difference:	5.7
RPD Control Limits:	0-20

LCS Batch#: LCS081398

Date Prepared:	8/13/98
Date Analyzed:	8/14/98
Conc. Spiked, mg/L:	3.9
LCS Recovery, mg/L:	3.8
LCS % Recovery:	97

Percent Recovery Control Limits:

LCS/LCSD	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Texaco 500 Grand

QC Sample Group: 9808143-01-07

Reported: Aug 21, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A. PORTER
ANALYTE	Diesel

QC Batch #: GC0812980HBPEXZ

Sample No.:	9808143-3
Date Prepared:	8/12/98
Date Analyzed:	8/14/98
Instrument I.D.#:	GCHP4B
Sample Conc., ug/L:	83
Conc. Spiked, ug/L:	1000
Matrix Spike, ug/L:	1500
% Recovery:	142
Matrix pike Duplicate, ug/L:	1200
% Recovery:	112
elative % Difference:	24
RPD Control Limits:	0-50

LCS Batch#: BLK081298ZS

Date Prepared:	8/12/98
Date Analyzed:	8/14/98
Instrument I.D.#:	GCHP4B
Conc. Spiked, ug/L:	1000
Recovery, ug/L:	770
LCS % Recovery:	77

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Blaine Tech Services
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Shell WFS Green-Gro

QC Sample Group: 9808437-03, -06

Reported: Aug 21, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 300.0
Analyst:	G. Fish
ANALYTE	Nitrate

QC Batch #: IN0812983000ACF

Sample No.:	9808437-6
Date Prepared:	8/12/98
Date Analyzed:	8/12/98
Instrument I.D.#:	INAC1
Sample Conc., mg/L:	540
Conc. Spiked, mg/L:	1000
Matrix Spike, mg/L:	2000
% Recovery:	146
Matrix pike Duplicate, mg/L:	2000
% Recovery:	146
elative % Difference:	0.0
RPD Control Limits:	

LCS Batch#: LCS0812983000ACF

Date Prepared:	8/12/98
Date Analyzed:	8/12/98
Instrument I.D.#:	INAC1
Conc. Spiked, mg/L:	10
LCS Recovery, mg/L:	9.8
LCS % Recovery:	98

Percent Recovery Control Limits:

MS/MSD	75-125
LCS	90-110

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Texaco 500 Grand
Matrix: Liquid
Work Order #: 9808143 -01-07

Reported: Aug 24, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC081798BTEX05A	GC081798BTEX05A	GC081798BTEX05A	GC081798BTEX05A	GC081798BTEX05A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Kemp	A. Kemp	A. Kemp	A. Kemp	A. Kemp
MS/MSD #:	8080347	8080347	8080347	8080347	8080347
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98
Analyzed Date:	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98
Instrument I.D.#:	GCHP5	GCHP5	GCHP5	GCHP5	GCHP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	220 µg/L
Result:	21	22	22	66	200
MS % Recovery:	105	110	110	110	91
Dup. Result:	20	20	21	64	230
MSD % Recov.:	100	100	105	107	105
RPD:	4.9	9.5	4.7	3.1	14
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK081798	BLK081798	BLK081798	BLK081798	BLK081798
Prepared Date:	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98
Analyzed Date:	8/17/98	8/17/98	8/17/98	8/17/98	8/17/98
Instrument I.D.#:	GCHP5	GCHP5	GCHP5	GCHP5	GCHP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	220 µg/L
LCS Result:	19	20	20	61	210
LCS % Recov.:	95	100	100	102	95
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL, #1271

Reggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Deidre Kerwin	Client Proj. ID: Texaco 500 Grand Ave. Lab Proj. ID: 9808143	Received: 08/05/98 Reported: 08/21/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 10 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
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404 N. Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600 FAX (510) 988-9673

Company Name: TRMI EH&S	Project Name: 980804-P1
Address: Texaco Loc.#624880235, 500 Grand Ave.	Billing Address (if different): 108 Cutting Boulevard
City: Oakland State: CA Zip Code:	Richmond, California 94804
Telephone: (510)236-3541 FAX #: (510)237-7821	P.O. #: 624880235
Report To: Deidre Kerwin (BTS) Sampler: PAUL SAWUA	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☒ 10 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 7 Working Days ☐ 2 Working Days ☐ 5 Working Days ☐ 24 Hours

☐ Drinking Water ☐ Waste Water ☐ Other

9808143

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-g/BTEX	TPH Diesel	O&G/TRPH (418.1)	Nitrate	Sulfate	Total Sulfide	Comments
1. MW-8K	8/4 9:15		7		1	X	X	X				
2. MW-8H	10:45		7		2	X	X	X				
3. MW-8I	10:15		7		3	X	X	X				
4. MW-8J	9:48		7		4	X	X	X				
5. MW-8F	11:20		7		5	X	X	X				
6. MW-8G	11:50		7		6	X	X	X				
7. EB	9:20		5		7	X	X					
8.												
9.												
10.												

Relinquished By:	Date: 8/4/98	Time: 17:00	Received By:	Date: 8/5/98 Time: 0935
Relinquished By:	Date: 8/5/98	Time:	Received By:	Date: Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date: 8-5 Time: 1249

Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment

Pink - Client
Yellow - Sequoia
White - Sequoia

Well Gauging Data

Project Name: 980804-P1
Project Number: 300 Grand Ave, Texas

Date: 8-9-98
Recorded By: PAUL S

Well ID	TOC Elev.	DTB (ft. TOC)	Well Dia. (in.)	DTP (ft.)	DTW (ft.)	PT (ft.)	Comments
MW-8K		16.47	2		1.21		
MW-8H		14.82	4		3.64		
MW-8I		14.99	4		6.16		
MW-8J		14.68	4		5.73		
MW-8F		14.57	4		10.67		
MW-8G		16.82	4		9.89		

TOC = Top of casing
DTB = Depth to bottom in feet below TOC
DTP = Depth to product in feet below TOC
DTW = Depth to water in feet below TOC
PT = Product thickness in feet

TEXACO WELL MONITORING DATA SHEET

Project #: 980804-P1	Texaco ID#: 6249802 35
Sampler: PAUL	Date: 8-4-98
Well I.D.: MW-8F	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.37	Depth to Water: 10.67
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius² * 0.164

Purge Method: ✓ S.S. Bailer; Teflon Bailer; Middleburg; Electric Submersible; Extraction Pump; Other: _____

Sampling Method: S.S. Bailer ✓; Teflon Bailer; Extraction Port; Other: _____

2.5	x	3	=	10.5 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
11:02	79.2	7.6	3200	≥200	2.5	
11:07	78.6	7.7	3300	≥200	5.0	
11:12	78.4	7.8	3500	≥200	10.5	

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Time: 11:20 Sampling Date: 8-4-98

Sample I.D.: MW-8F Laboratory: Sequoia

Analyzed for: Tph-G (BTEX) Tph-D Other: O&G

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980804-P1	Texaco ID#: 6248802 35
Sampler: PAM	Date: 8-4-98
Well I.D.: MW-8Q	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 14.32	Depth to Water: 9.89
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius² * 0.164

Purge Method: ✓ S.S. Bailer
Teflon Bailer
Middleburg
Electric Submersible
Extraction Pump
Other: _____

Sampling Method: S.S. Bailer ✓
Teflon Bailer
Extraction Port
Other: _____

2.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 8.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	~~Cond.~~ Turbidity	~~Turbidity~~ Cond	Gals. Removed	Color/Odor
11:29	79.6	6.9	176	3600	2.8	
11:35	79.2	6.9	124	3800	5.6	
11:42	78.4	7.2	54	4000	8.6	

Did well dewater? Yes (No)	Gallons actually evacuated: 9
Sampling Time: 11:50	Sampling Date: 8-4-98
Sample I.D.: MW-8Q	Laboratory: (Sequoia)
Analyzed for: (Tph-G) (BTEX) ~~Tph-D~~ (Other) O&G	
Equipment Blank I.D.: E	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980804-P1	Texaco ID#: 624880235
Sampler: PAUL	Date: 8-4-98
Well I.D.: MW-8H	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.82	Depth to Water: 3.64
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius² * 0.164

Purge Method:
- S.S. Bailer
- Teflon Bailer
- Middleburg
- ✓ Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- S.S. Bailer ✓
- Teflon Bailer
- Extraction Port
- Other: _____

7	x	3	=	21	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
10:29	79.2	7.6	1200	7200	7	
10:30	78.6	7.4	1100	7200	14	
10:31	78.4	7.4	1000	7200	21	

Did well dewater? Yes (No)	Gallons actually evacuated: 14
Sampling Time: 10:38	Sampling Date: 8-4-98
Sample I.D.: MW-8H	Laboratory: (Sequoia)
Analyzed for: (Tph-G) (BTEX) (Tph-D) (Other:) O&G	
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980804-P1	Texaco ID#: 6248800235
Sampler: PAVL	Date: 8-4-98
Well I.D.: MW8I	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.49	Depth to Water: 6.16
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius² * 0.164

Purge Method:
- S.S. Bailer
- Teflon Bailer
- Middleburg
- ✓ Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- S.S. Bailer ✓
- Teflon Bailer
- Extraction Port
- Other: _____

5.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 16.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
10:07	84.6	7.2	1400	179	5.5	
10:08	83.2	6.9	1200	121	10.5	
10:09	80.8	6.9	1100	84	16.5	

Did well dewater? Yes (No) Gallons actually evacuated: 16.5

Sampling Time: 10:15 Sampling Date: 8-4-98

Sample I.D.: MW8I Laboratory: (Sequoia)

Analyzed for: (Tph-G) (BTEX) (Tph-D) (Other:) O&G

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980804-P1	Texaco ID#: 624880235
Sampler: PAUL	Date: 8-4-98
Well I.D.: MW8J	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.68	Depth to Water: 5.93
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
(4")	0.66	8"	2.60
4.5"	0.83	Other	radius² * 0.164

Purge Method:
- S.S. Bailer
- Teflon Bailer
- Middleburg
- ✓ Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- S.S. Bailer ✓
- Teflon Bailer
- Extraction Port
- Other: _____

6	x	3	=	18	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
9:38	85.4	7.1	1800	56	6	
9:39	77.2	7.0	1600	32	12	
9:40	76.8	6.9	1500	27	18	

Did well dewater? Yes (No)	Gallons actually evacuated: 18
Sampling Time: 9:48	Sampling Date: 8-4-98
Sample I.D.: MW8J	Laboratory: (Sequoia)
Analyzed for: (Tph-G) (BTEX) (Tph-D) (Other: O & G)	
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980804-P1	Texaco ID#: 624680235
Sampler: PAUL	Date: 8-4-98
Well I.D.: MW-8K	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 16.47	Depth to Water: 1.21
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method:
- ✓ S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- S.S. Bailer ✓
- Teflon Bailer
- Extraction Port
- Other: _____

2.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
8:57	81.4	6.8	1600	>200	2.5	
9:04	80.6	6.8	1600	7200	5.0	
9:10	79.8	6.6	1600	7200	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 9:15 Sampling Date: 8-4-98

Sample I.D.: MW-8K Laboratory: (Sequoia)

Analyzed for: (Tph-G) (BTEX) (Tph-D) Other: (O&G)

Equipment Blank I.D.: EB @ 9:20 Analyzed for same as primary sample

SOURCE RECORD

BILL OF LADING

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT TEXACO FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE-WATER WHICH HAS BEEN RECOVERED FROM GROUND-WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED TO THE DESTINATION DESIGNATED BY TRMI EH&S.

Contractor: Blaine Tech Services, Inc.
Address: 1680 Rogers Ave.
City, State, ZIP: San Jose, CA 95112
Phone: (408) 573-0555

is authorized by TRMI EH&S to recover, collect, apportion into loads, and haul the NON HAZARDOUS WELL PURGEWATER that is drawn from wells at the Texaco facility listed below and to deliver that purgewater to an appropriate destination designated by TRMI EH&S in either Redwood City, California or in Richmond, California. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Texaco facility to the designated destination point; from one Texaco facility to the designated destination point via another Texaco facility; from a Texaco facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of TRMI EH&S.

This **SOURCE RECORD BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Texaco facility described below:

Texaco#: ____ Texaco #624880235
Address: ____ 500 GRAND AVE.
City, State, ZIP: ____ OAKLAND, CA

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-8F			
↓			
↓			
MW-8K	82.5		

Total gals. 82.5

added rinse water 10

Total Gals. Recovered 92.5

Job#: 980804-P1
Date: 8/4/98
Time: 12:00
Signature:

REC'D AT: BTS
Date: 8/4/98
Time: 15:00
Signature:

QUARTERLY STATUS REPORT

Former Texaco Service Station/Current Parking Lot
500 Grand Avenue, Oakland, California
Alameda County
Third Quarter, 1998

SITE HISTORY

A site preliminary subsurface investigation was conducted in May 1988. During the initial investigation, a soil gas survey was conducted, 15 soil borings were drilled, and 5 on-site groundwater monitoring wells were installed. In 1989 5 off-site wells were installed. The initial 5 on-site wells have been abandoned and replaced by 2 wells located at the southern perimeter of the site. Over 2,400 cubic yards of hydrocarbon-impacted soil have been excavated and removed from within the property boundaries. The waste oil tank, tank backfill material, and impacted soil were excavated and disposed of in September 1990. Clay sewer pipes and contaminated soil from an abandoned utility trench near the former waste oil tank were removed from the site in early 1991. Site structures, 3 underground storage tanks, dispenser islands and associated piping, and stockpiled soils were removed from the site in April 1992. The excavated area was backfilled and compacted using clean imported material.

WORK PERFORMED THIS QUARTER

Continued groundwater monitoring and sampling program. Replaced the ORC in Wells MW-8F, MW-8G, and MW-8I.

CHARACTERIZATION STATUS

All petroleum impacted soils underlying the site, with a possible exception of a very narrow band along the Grand Avenue sidewalk, have been removed by the extensive soil excavation activities. Groundwater at the site has been affected by gasoline, diesel, and hydrocarbons above the range of diesel. Since the removal of on-site contaminated soils, significant reductions in TPH-g and TPH-d concentrations in groundwater have been reported for samples taken from on- and off-site wells.

REMEDIATION STATUS

No further investigation or remediation of the vadose-zone soils is planned. It is proposed that down gradient wells continue to be monitored to document the biodegradation of the remaining dissolved-phase hydrocarbons in the groundwater. Oxygen release compounds were installed in December 1996 in selected wells to enhance the natural in-situ biodegradation process.

WORK TO BE PERFORMED NEXT QUARTER

Continue groundwater monitoring and sampling program.

WATER SUPPLY WELL

In 1997, there were no known drinking water supply wells within a 1/2 mile radius of the site.